

Please type a plus sign (+) inside this box ☐

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a control number.

RECEIVED

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

1 of 5

Complete if Known

Application Number 10/057,552

Filing Date January 25, 2002

First Named Inventor MAYO, Stephen L. et al.

Group Art Unit 1645

Examiner Name not yet assigned

Attorney Docket Number A-65353-9/RFT/RMS/RMK

OCT 07 2002

OCT 09 2002

TECH CENTER 1600/2900

### U.S. PATENT DOCUMENTS


| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
|                    |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| ✓                  | A1                    | 4,939,666            |                                   | Hardman, K.D.                                   | 07/03/1990                                       |   |
|                    | A2                    | 5,241,470            |                                   | Lee et al.                                      | 08/31/1993                                       |   |
|                    | A3                    | 5,527,681            |                                   | Holmes  | 06/18/1996                                       |   |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. | Foreign Patent Document |                                |                                   | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>3</sup> |
|--------------------|----------|-------------------------|--------------------------------|-----------------------------------|--|---|----------------|
|                    |          | Office <sup>3</sup>     | Number <sup>4</sup> (if known) | Kind Code <sup>2</sup> (if known) |  |   |                |
| ✓                  | B1       | WO                      | 95/22625                       | A1                                | AFFYMAX TECHNOLOGIES N.V.                        | 08/24/1995  |                |
|                    | B2       | WO                      | 98/32845                       | A1                                | BIOINVENT INTERNATIONAL AB                       | 07/30/1998  |                |
|                    | B3       | WO                      | 00/23564                       | A2                                | XENCOR, INC.                                     | 04/27/2000  |                |
|                    | B4       | WO                      | 00/68396                       | A2                                | XENCOR, INC.                                     | 11/16/2000  |                |
|                    | B5       | WO                      | 00/68396                       | A3                                | XENCOR, INC.                                     | 11/16/2000  |                |
|                    | B6       | WO                      | 01/59066                       | A2                                | XENCOR, INC.                                     | 08/16/2001  |                |
|                    | B7       | WO                      | 01/59066                       | A3                                | XENCOR, INC.                                     | 08/16/2001  |                |

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>3</sup> |
|--------------------|-----------------------|---|----------------|
| ✓                  | C1                    | Brenner and Berry, A., et al., "A quantitative methodology for the de novo design of proteins", Protein Sci. 3:1871-1882 (Oct. 1994).   |                |
|                    | C2                    | Borman, "Proteins to Order," Chemical and Engineering Newsletter (C&EN) Oct. 6, 1997, 9-10 (1997).  |                |
|                    | C3                    | Bowie, J.U., et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science vol.247:1306-1310 (Mar. 1990).  |                |
|                    | C4                    | Bowie, J.U., et al., "A Method to Identify Protein Sequences that Fold into a Known Three-Dimensional Structure", Science vol.253:164-170 (Jul. 1991).  |                |
|                    | C5                    | Brooks et al., "CHARMM: A Program for Macromolecular Energy, Minimization, and Dynamics Calculations," J. of Computational Chemistry, 4(2):187-217 (1983).  |                |

Examiner Signature  Date Considered 7-6-03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

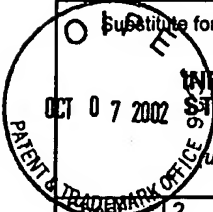
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
8086 1449B.FRM (1/01) 1074639

Please type a plus sign (+) inside this 

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                          |                         |
|---|--------------------------|-------------------------|
| <br>Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) | <b>Complete If Known</b> |                         |
|   | Application Number       | 10/057,552              |
|   | Filing Date              | January 25, 2002        |
|   | First Named Inventor     | MAYO, Stephen L. et al. |
|   | Group Art Unit           | 1645                    |
|   | Examiner Name            | not yet assigned        |
|   | Attorney Docket Number   | A-65353-9/RFT/RMS/RMK   |

RECEIVED

OCT 09 2002

TECH CENTER 1600/2900

| Examiner Initials*   | Cite No. <sup>1</sup> | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS<br>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--|-----------------------|--|----------------|
|  | C6                    | Connolly, M.L., "Solvent-Accessible Surfaces of Proteins and Nucleic Acids", Science vol.221(4612):709-713 (Aug. 1983).  |                |
|  | C7                    | Cornell et al., "A Second Generation Force Field for the Simulation of Proteins, Nucleic Acids, and Organic Molecules," J. Am. Chem. Soc., 117:5179-5197 (1995).   |                |
|  | C8                    | Dahiyat, B.I., et al., "Automated design of the surface positions of protein helices", Protein Science 6:1333-1337 (Jun. 1997).  |                |
|  | C9                    | Dahiyat et al., "Protein design automation," Caltech Biology Annual Report, 172 (1995).  |                |
|  | C10                   | Dahiyat, B.I., et al., "Proteins from Scratch", press digest email by Science (Sep. 26, 1997).   |                |
|  | C11                   | Dahiyat et al., "Protein Design Automation," Meeting Abstract; Protein Science vol. 4, Suppl. 2, 83 (1995).  |                |
|  | C12                   | Dahiyat et al., "Protein design Automation," Poster Sessions, Protein Science vol.5, Suppl. 1, 22-23 (1996).   |                |
|  | C13                   | Dahiyat et al., "De Novo Protein Design: Fully Automated Sequence Selection," Science, 278:82-87 (1997).   |                |
|  | C14                   | Dahiyat et al., "Probing the Role of Specificity in Protein Design," Caltech Biology Annual Report, 160-161 (1996).  |                |
|  | C15                   | Dahiyat et al., "Protein Design Automation," 1996, Protein Science, vol. 5, pp. 895-903, Nov. 30, 1999.  |                |
|  | C16                   | Dahiyat, B.I., et al., "First fully automatic design of a protein achieved by Caltech scientists", new press release (Oct. 1997).  |                |
|  | C17                   | Dalal, S., et al., "Protein alchemy: Changing .beta.-sheet into .alpha.-helix", Nature Struc. Biol. vol.4(7):548-552 (Jul. 1997).  |                |
|  | C18                   | DeGrado, W., "Proteins from Scratch," Science, 278:80-81 (1997).   |                |
|  | C19                   | Desjarlais, J.R., et al., "De novo design of the hydrophobic cores of proteins", Protein Science 4:2006-2018 (1995).   |                |
|  | C20                   | Desjarlais et al., "New strategies in protein design," Current Opinion in Biotechnology :460-466 (1995).   |                |
|  | C21                   | Desmet, J., et al., "The 'Dead End Elimination' Theorem: A New Approach to the Side Chain Packing Protein", from "The Protein Folding Problem and Tertiary Structure Prediction" Ch.10:1-49 (1994).  |                |
|  | C22                   | Desmet, J., et al., "The dead-end elimination theorem and its use in protein side-chain positioning", Nature vol.356:539-542 (Apr. 1992).  |                |

|   |                           |
|---|---------------------------|
| Examiner Signature<br> | Date Considered<br>3-6-03 |
|---|---------------------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

8086 1449B.FRM (1/01) 1074639

Please type a plus sign (+) inside this box ☐

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |    |                          |                         |
|---|----|--------------------------|-------------------------|
| Substitute for form 1449A/PTO   |    | <b>Complete If Known</b> |                         |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |    | Application Number       | 10/057,552              |
|   |    | Filing Date              | January 25, 2002        |
|   |    | First Named Inventor     | MAYO, Stephen L. et al. |
|   |    | Group Art Unit           | 1645                    |
|   |    | Examiner Name            | not yet assigned        |
|   |    | Attorney Docket Number   | A-65353-9/RFT/RMS/RMK   |
| 3   | of | 5                        |                         |

| <b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b> |  |   |    |
|--|--|---|----|
| Examiner Initials*                                       | Cite No.1  | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
|  | C23  | Desmet et al., "Theoretical and Algorithmical Optimization of the Dead-End Elimination Theorem," Proceedings of the Pacific Symposium on Biocomputing '97, 122-133 (1997).  |    |
|  | C24  | Dunbrack Jr., R.L., et al., "Conformational analysis of the backbone-dependent rotamer preferences of protein sidechains", Struc. Biol. vol.1(5):334-340 (May 1994).  |    |
|  | C25  | Eisenberg, D., et al., "Solvation energy in protein folding and binding", Nature vol.319:199-203 (Jan. 1986).   |    |
|  | C26  | Gallop et al., "applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries," Journal of Medicinal Chemistry Vol. 37, No. 9 (April 29, 1994), 1233-1251.  |    |
|  | C27  | Goldstein, R.F., "Efficient Rotamer Elimination Applied to Protein Side-Chains and Related Spin Glasses", Biophys. Jour. vol.66:1335-1340 (May 1994).   |    |
|  | C28  | Gordon et al. "Energy functions for protein design," Curr. Opinion in Struct. Biol., 9:509-513 (1999).  |    |
|  | C29  | Harbury et al., "Repacking protein cores with backbone freedom: Structure prediction for coiled coils," Proc. Natl. Acad. Sci. USA, 92:8408-8412 (1995).  |    |
|  | C30  | Harbury et al., "High-Resolution Protein Design with Backbone Freedom," Science, 282:1462-1467 (1998).  |    |
|  | C31  | Hellings, H.W., et al., "Construction of New Ligand Binding Site in Proteins of Known Structure", J. Mol. Biol. 222:763-785 (1991).   |    |
|  | C32  | Hellings, H.W., "Rational protein design: Combining theory and experiment", Proc. Natl. Acad. Sci, USA vol.94:10015-10017 (Sep. 1997).  |    |
|  | C33  | Hellings, H.W., et al., "Optimal sequence selection in proteins of known structure by simulated evolution", Proc. Natl. Acad. Sci., USA vol.91:5803-5807 (Jun. 1994).   |    |
|  | C34  | Holmes, "First-ever designer protein fits like a glove," New Scientist, IPC Magazines Limited, Oct. 11, 1997 (1997).  |    |
|  | C35  | Hurley et al., "Design and Structural Analysis of Alternative Hydrophobic Core Packing Arrangements in Bacteriophage T4 Lysozyme," J. Mol. Biol., 224:1143-1159(1992).  |    |
| C36  | Jones, D.T., "De novo protein design using pairwise potentials and a genetic algorithm", Protein Science 3:567-574 (1994). |   |    |
| C37  | Koehl et al., "De Novo Protein Design. I. In Search of Stability and Specificity," J. Mol. Biol., 293:1161-1181 (1999).    |   |    |

|                    |  |                 |        |
|--------------------|--|-----------------|--------|
| Examiner Signature |  | Date Considered | 7-6-03 |
|--------------------|--|-----------------|--------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
8086 1449B.FRM (1/01) 1074639

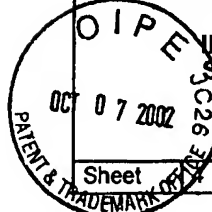
Please type a plus sign (+) inside this box ☐

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |    |                          |                         |
|---|----|--------------------------|-------------------------|
| Substitute for form 1449A/PTO   |    | <b>Complete if Known</b> |                         |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>Use as many sheets as necessary |    | Application Number       | 10/057,552              |
|   |    | Filing Date              | January 25, 2002        |
|   |    | First Named Inventor     | MAYO, Stephen L. et al. |
|   |    | Group Art Unit           | 1645                    |
|   |    | Examiner Name            | not yet assigned        |
|   |    | Attorney Docket Number   | A-65353-9/RFT/RMS/RMK   |
| Sheet   | of | 5                        |                         |



| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*                                | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| <i>[Signature]</i>                                | C38                   | Kono et al., "Energy Minimization Method Using Automata Network for Sequence and Side-Chain Conformation Prediction from Given Backbone Geometry," Proteins: Structure, Function, and Genetics, 19:244-255 (1994).  |                |
|   | C39                   | Kortemme et al., "Design of a 20-Amino Acid, Three-Stranded $\beta$ -Sheet Protein," Science, 281:253-256 (1988).   |                |
|   | C40                   | Lam, Kit S., "Application of Combinatorial Library Methods in Cancer Research and Drug Discovery," Anti-Cancer Drug Design (1997), 12, 145-167.   |                |
|   | C41                   | Lasters et al., "Enhanced dead-end elimination in the search for the global minimum energy conformation of a collection of protein side chains," 1995, Protein Engineering, vol. 8, No. 8, pp. 815-822.   |                |
|   | C42                   | Lasters, I., et al., "Dead-End Based Modeling Tools to Explore the Sequence Space That is Compatible with a Given Scaffold," Jour. of Protein Chem. vol.16(5):449-452 (Jul. 1997).  |                |
|   | C43                   | Lazar et al., "De novo design of the hydrophobic core of ubiquitin," Protein Science 6:1167-1178 (1997).  |                |
|   | C44                   | Lee et al., "Accurate prediction of the stability and activity effects of site-directed mutagenesis on a protein core," Nature, 352:448-451 (1991).   |                |
|   | C45                   | Lim et al., "The crystal structure of a mutant protein with altered but improved hydrophobic core packing," Proc Natl Acad Sci U S A. 1994 Jan 4;91(1):423-7  |                |
|   | C46                   | Mayo et al., "DREIDING: A Generic Force Field for Molecular Simulations," J. Phys. Chem., 94:8897-8909 (1990).  |                |
|   | C47                   | Minor Jr., D.L., "Measurement of the .beta.-sheet-forming propensities of amino acids", Nature vol.367:660-663 (Feb. 1994).   |                |
|   | C48                   | Munoz, V., et al., "Helix design, prediction and stability", Curr. Opin. in Biotech. 6:382-386 (Aug. 1995).   |                |
|   | C49                   | Munoz, V., et al., "Intrinsic Secondary Structure Propensities of the Amino Acids, Using Statistical phi-psi Matrices: Comparison with Experimental Scales", Proteins 20:301-311 (1994).  |                |
|   | C50                   | Munoz, V., et al., "Analysis of the effect of local interactions on protein stability", Folding & Design 1(3):167-178 (Apr. 1996).  |                |
|   | C51                   | Pabo, C., "Designing proteins and peptides", Nature vol.301:200 (Jan. 1983).  |                |
|   | C52                   | Padmanabhan, S., et al., "Relative helix-forming tendencies of nonpolar amino acids", Nature vol.344:268-270 (Mar. 1990).   |                |
|   | C53                   | Ponder, J.W., et al., "Use of Packing Criteria in the Enumeration of Allowed Sequences for Different Structural Classes", release by Acad. Press Inc. (London) Ltd. pp.775-791(1987).   |                |

|                    |                    |                 |        |
|--------------------|--------------------|-----------------|--------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 7-6-03 |
|--------------------|--------------------|-----------------|--------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
8086 1449B.FRM (1/01) 1074639

Release type a plus sign (+) inside this box ☐

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |                        |                         |
|---|---|------------------------|-------------------------|
| Substitute for form 1449A/PTO   |   | Complete if Known      |                         |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   | Application Number     | 10/057,552              |
|   |   | Filing Date            | January 25, 2002        |
|   |   | First Named Inventor   | MAYO, Stephen L. et al. |
|   |   | Group Art Unit         | 1645                    |
|   |   | Examiner Name          | not yet assigned        |
|   |   | Attorney Docket Number | A-65353-9/RFT/RMS/RMK   |
| Sheet   | 5 | of                     | 5                       |



| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*                                | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| [Handwritten signature]                           | C54                   | Rappe et al., "Charge Equilibration for Molecular Dynamics Simulations," J. Phys. Chem., 95:3358-3363 (1991).   |                |
|   | C55                   | Regan, L., "Helix is a helix is a helix?", Proc. Natl. Acad. Sci. USA vol.94:2796-2797 (Apr. 1997).   |                |
|   | C56                   | Smith, C.K., et al., "Guidelines for Protein Design: The Energetics of .beta. Sheet Side Chain Interactions", Science vol.270:980-982 (Nov. 1995).  |                |
|   | C57                   | Stickle et al., "Hydrogen Bonding in Globular Proteins," (1992) Journal of Molecular Biology, vol.226, pp. 1143-1159.   |                |
|   | C58                   | Sun, S., et al., "Designing amino acid sequences to fold with good hydrophobic cores", Protein Eng. vol.8(12):1205-1213 (1995).   |                |
|   | C59                   | Tuffery et al., "A New Approach to the Rapid Determination of Protein Side Chain Conformations," J. of Biomolecular Struct. & Dynamics, 8(6):1267-1289 (1991).  |                |
|   | C60                   | van Gunsteren et al., "Prediction of the Activity and Stability Effects of Site-directed Mutagenesis on a Protein Core," J. Mol. Biol., 227:389-395 (1992).   |                |
|   | C61                   | Villegas et al., "Stabilization of proteins by rational design of .alpha.-helix stability using helix/coil transition theory," Folding & Design, 1(1):29-34 (1995).   |                |
|   | C62                   | Wesson et al., "Atomic solvation parameters applied to molecular dynamics of proteins in solution," Protein Science, 1:227-235 (1992).  |                |
|   | C63                   | Wilson et al. "Computational Method for the Design of Enzymes with Altered Substrate Specificity," J. Mol. Biol. (1991) 220,495-506.  |                |
|   | C64                   | Wodak, S.J., et al., "Analytical approximation to the accessible surface area of proteins", Proc. Natl. Acad. Sci. USA vol.77(4):1736-1740 (Apr. 1980).   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |

|                    |                         |                 |        |
|--------------------|-------------------------|-----------------|--------|
| Examiner Signature | [Handwritten Signature] | Date Considered | 7-6-03 |
|--------------------|-------------------------|-----------------|--------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
8086 1449B.FRM (1/01)